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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Scott Brenner

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ATTORNEYS FOR CLIENT NUMBER 007412

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EXAMINER

SHANG, ANNAN Q

ART UNIT

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/074,743	Applicant(s) BRENNER ET AL.	
	Examiner ANNAN Q. SHANG	Art Unit 2424	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 January 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 49-71 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 49-71 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01/16/09 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 49-57, 59-64 and 66-71, are rejected under 35 U.S.C. 103(a) as being unpatentable over **Yeo et al (6,219,837)**.

As to claim 49, note the **Yeo** reference figures 1-4, discloses summary frames in video and further discloses in a system for broadcasting video programs to a user including a display, a method of providing a synopsis for a program, the method comprising:

Receiving a channel selection at a controller (Controller or Processor of TV Receiver or Set 14) during transmission of the program (figs.1, 2,);

Art Unit: 2424

Receiving a request (interacts shots, key frame or hyperlinks on the display) for the synopsis of the program during transmission of the program; upon receipt of the request for the synopsis , identifying the portion of the program being transmitted via a clock time; and receiving a synopsis of the program from a beginning of the program transmission until the identified clock time (figs.1-4, col.1, line 47-col.2, line 27, col.3, line 23-col.4, line 4, line 28-col.5, line 5 and col.7, lines 19-43), Yeo further discloses where the synopsis is provided via a second channel, presented in a fast forward mode, where the program is a sporting event and includes highlights from a number of predefined highlights (col.1, line 47-col.2, line 27, col.3, line 23-col.4, line 4, line 28-col.5, line 5 and col.7, lines 19-43), note Yeo discloses transmitting live and pre-recorded programs and further disclose that when a user selects a channel of a current broadcast program in progress, the user is presented with a menu of snap shots from the beginning of the program in progress, and when the user interacts with one of the shot (i.e., menu of shots), the user is presented with past video segment (summary), which is played on the larger window and once viewed the video is **rejoined in progress**.

Yeo further teaches presenting to a user past video segment (summary) from the interacted shot to the program in progress, but does not clearly teach where when a user interacts with a snap shot (requests for a summary of past video), the user is presented with synopsis of the program from a beginning of the program transmission until the identified clock time.

However, Yeo further discloses presenting past video shots of the beginning of the program in progress to the time of channel selection, and further disclose presenting past and future frames of shots to the user upon channel selection if the program is a pre-recorded program and not live. Yeo further discloses that in an interactive playback environment, such as desktop or video streaming (Internet), the system employs summary-hyperlinking and further disclose while viewing a current video, displaying at the same time summary of past and future shots of the same video or of another video program.

Hence it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Yeo to display the past summary of the program being viewed from the beginning of the program transmission until the channel selection time, to aid the viewer to quickly ascertain the current plot or theme of the video program.

As to claim 50, Yeo further discloses where the synopsis is provided via a second channel (col.4, lines 28-44).

As to claim 51, Yeo further discloses where the synopsis is presented in a fast-forward mode (col.3, line 27-col.4, line 4).

As to claim 52, Yeo further discloses the synopsis includes highlights of important events (col.3, line 27-col.4, line 4).

As to claim 53, Yeo further discloses the program is a sporting event (col.2, lines 8-26).

As to claim 54, Yeo further discloses further comprising selecting the highlights from a number of predefined highlights(col.2, lines 8-26 and col.3, line

Art Unit: 2424

27-col.4, line 4).

As to claim 55, Yeo further discloses comprising streaming the synopsis for playback from a remote site (col.3, line 27-col.4, line 4).

As to claim 56, Yeo further discloses downloading the synopsis for playback from customer premise equipment (CPE) (col.3, line 27-col.4, line 4).

As to claim 57, Yeo further discloses comprising streaming the synopsis over a VOD channel (col.3, lines 6-22).

As to claim 59, Yeo further discloses providing the synopsis from a web page stored on a remote server (col.3, line 59-col.4, line 4).

As to claim 60, Yeo further discloses maintaining the channel selection for a predefined period of time before providing the synopsis (col.3, lines 6-22)

As to claim 61, the claimed "An apparatus for providing a synopsis for a program..." is composed of the same structural elements that were discussed with respect to the rejection of claim 49.

Claim 62 is met as previously discussed with respect to claim 50.

Claim 63 is met as previously discussed with respect to claim 51.

Claim 64 is met as previously discussed with respect to claim 60.

As to claim 65, the claimed "An apparatus for providing a synopsis for a program..." is composed of the same structural elements that were discussed with respect to the rejection of claim 49.

As to claim 66, **Yeo** further discloses in figures 1-4, a system for broadcasting television programs, the system comprising:

A broadcasting element (Server 401/402) for broadcasting television

Art Unit: 2424

programs over a number of channels;

A source (Server 401/402) for broadcasting synopses of the programs over a number of other channels (col.4, lines 28-44), where the source broadcasts the synopses on-demand when a channel having a synopsis is selected after transmission of the program has begun, the synopsis summarizing the program that was transmitted prior to selecting the channel (figs.1-4, col.1, line 47-col.2, line 27, col.3, line 23-col.4, line 4, line 28-col.5, line 5 and col.7, lines 19-43), note Yeo discloses transmitting live and pre-recorded programs and further disclose that when a user selects a channel of a current broadcast program in progress, the user is presented with a menu of snap shots from the beginning of the program in progress, and when the user interacts with one of the shot (i.e., menu of shots), the user is presented with past video segment (summary), which is played on the larger window and once viewed the video is **rejoined in progress**.

Yeo further teaches presenting to a user past video segment (summary) from the interacted shot to the program in progress, but does not clearly teach where when a user interacts with a snap shot (requests for a summary of past video), the user is presented with synopsis of the program from a beginning of the program transmission until the identified clock time.

However, Yeo further discloses presenting past video shots of the beginning of the program in progress to the time of channel selection, and further disclose presenting past and future frames of shots to the user upon channel selection if the program is a pre-recorded program and not live. Yeo further

Art Unit: 2424

discloses that in an interactive playback environment, such as desktop or video streaming (Internet), the system employs summary-hyperlinking and further disclose while viewing a current video, displaying at the same time summary of past and future shots of the same video or of another video program.

Hence it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Yeo to display the past summary of the program being viewed from the beginning of the program transmission until the channel selection time, to aid the viewer to quickly ascertain the current plot or theme of the video program.

As to claim 67, Yeo further disclose where the source limits the synopsis to the portion of the program transmitted since a last time the channel was selected (col.1, line 47-col.2, line 27 and col.3, line 23-col.4, line 4).

As to claim 68, Yeo further discloses where the source generates the synopsis after the channel is selected (col 1, line 47-col.2, line 27 and col.3, line 23-col.4, line 4).

As to claim 69, Yeo further discloses where the source selects highlights included within the synopsis based on time-stamps associated with the highlights that correspond with time-stamps associated with portions of the program transmitted prior to selecting the channel.

Claims 70-71 are met as previously discussed with respect to claims 55 and 56.

4. Claim 58 and 65 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Yeo et al (6,219,837)** in view of **Lawler et al (6,868,551)**.

As to claim 58, Yeo discloses all the claim limitations as previously discussed with respect to claim 49 above, but does not clearly teach where the video content comprises text and the summary comprises text embedded in the program, the text to provided by the controller via the display only after receipt of the input signal by the controller.

However, note the **Lawler** reference discloses an interactive program summary where the video content comprises text and the summary comprises text embedded in the program, the text to provided by the controller via the display only after receipt of the input signal by the controller (abstract, figures 1-5, col.2, line 17-col.3, line 14, col.5, line 61-col.6, line 39 and col.9, line 56-col.10, line 1+).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teaching of Lawler into the system of Yeo to provide additional information relating to the video to aid the user to quickly understand the content of the video and furthermore to assist the hearing impair to understand the video content.

. As to claim 65, note the **Yeo** reference figures 1-4, discloses summary frames in video and further discloses in a system for broadcasting video programs to a user including a display, a method of providing a synopsis for a program, the method comprising:

Art Unit: 2424

Providing (Processor of TV-14) the synopsis if the synopsis is requested after selecting the program while transmission of the program is already in progress; and generating the synopsis only upon receipt of the request for the synopsis, the synopsis including at least image summary and hyperlinks of the program that was transmitted within a predefined time period to selecting the program (figs.1-4, col.1, line 47-col.2, line 27, col.3, line 23-col.4, line 4, line 28-col.5, line 5 and col.7, lines 19-43), note Yeo discloses transmitting live and pre-recorded programs and further disclose that when a user selects a channel of a current broadcast program in progress, the user is presented with a menu of snap shots from the beginning of the program in progress, and when the user interacts with one of the shot (i.e., menu of shots), the user is presented with past video segment (summary), which is played on the larger window and once viewed the video is **rejoined in progress**.

Yeo further teaches presenting to a user past video segment (summary) from the interacted shot to the program in progress, but does not clearly teach where when a user interacts with a snap shot (requests for a summary of past video), the user is presented with synopsis of the program from a beginning of the program transmission until the identified clock time.

However, Yeo further discloses presenting past video shots of the beginning of the program in progress to the time of channel selection, and further disclose presenting past and future frames of shots to the user upon channel selection if the program is a pre-recorded program and not live. Yeo further discloses that in an interactive playback environment, such as desktop or video

Art Unit: 2424

streaming (Internet), the system employs summary-hyperlinking and further disclose while viewing a current video, displaying at the same time summary of past and future shots of the same video or of another video program.

Hence it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Yeo to display the past summary of the program being viewed from the beginning of the program transmission until the channel selection time, to aid the viewer to quickly ascertain the current plot or theme of the video program.

The modification of Yeo, does not clearly teach where the video content comprises a text summary of the program that was transmitted within a predefined time period prior to selecting the program.

However, note the **Lawler** reference discloses an interactive program summary where the video content comprises text and the summary comprises text embedded in the program, the text to provided by the controller via the display only after receipt of the input signal by the controller (abstract, figures 1-5, col.2, line 17-col.3, line 14, col.5, line 61-col.6, line 39 and col.9, line 56-col.10, line 1+).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the teaching of Lawler into the system of Yeo to provide additional information relating to the video to aid the user to quickly understand the content of the video and furthermore to assist the hearing impair to understand the video content.

Response to Arguments

6. Applicant's arguments with respect to claims 49-71 have been considered but are moot in view of the new ground(s) of rejection.

With respect to the rejection of the last office action, Applicant amends the claims and further argues that the prior arts of record do not teach the amended claims limitations (see page 6+ of Applicant's Remarks).

In response, Examiner notes Applicant's arguments, however as discussed above, Yeo discloses transmitting live and pre-recorded programs and further disclose that when a user selects a channel of a current broadcast program in progress, the user is presented with a menu of snap shots from the beginning of the program in progress, and when the user interacts with one of the shot (i.e., menu of shots), the user is presented with past video segment (summary), which is played on the larger window and once viewed the video is **rejoined in progress**. Yeo further teaches presenting to a user past video segment (summary) from the interacted shot to the program in progress, but does not clearly teach where when a user interacts with a snap shot (requests for a summary of past video), the user is presented with synopsis of the program from a beginning of the program transmission until the identified clock time. However, Yeo further discloses presenting past video shots of the beginning of the program in progress to the time of channel selection, and further disclose presenting past and future frames of shots to the user upon channel selection if the program is a pre-recorded program and not live. Yeo further discloses that in an interactive playback environment, such as desktop or video streaming

Art Unit: 2424

(Internet), the system employs summary-hyperlinking and further disclose while viewing a current video, displaying at the same time summary of past and future shots of the same video or of another video program. Hence it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Yeo to display the past summary of the program being viewed from the beginning of the program transmission until the channel selection time, to aid the viewer to quickly ascertain the current plot or theme of the video program. Hence the amended claims do not overcome the prior arts of records as discussed above. The amendments to the claims necessitated the new ground(s) of rejection discussed above. **This office action is non-final.**

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Annan Q. Shang** whose telephone number is **571-272-7355**. The examiner can normally be reached on **700am-400pm**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Christopher S. Kelley** can be reached on **571-272-7331**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Art Unit: 2424

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the **Electronic Business Center (EBC) at 866-217-9197 (toll-free)**. If you would like assistance from a **USPTO Customer Service Representative or access** to the automated information system, **call 800-786-9199 (IN USA OR CANADA) or 571-272-1000**.

/Annan Q Shang/

Primary Examiner, Art Unit 2424

Annan Q. Shang